

# REDEFINING MANUFACTURING

SOLVING

Supply Change Challenges

MATSUURA'S

Additive Manufacturing Facility

GLOBAL RESOURCES

Experienced Engineers

CONFORMAL  
COOLING & Porous Venting

SPEED

As a Competitive Advantage

INDUSTRY 4.0

Unlock the Value

CYCLE TIME

Improvement

WHY MATSUURA?

## MATSUURA'S METAL ADDITIVE MANUFACTURING SERVICE BUREAU

Matsuura, the North American experts in Metal 3D Printing and High-speed Milling, is now offering quick-turn prototyping producing a wide range of parts, including unique functional prototypes and low to mid-volume production runs.

# SOLVING SUPPLY CHAIN CHALLENGES AND DELAYS

Due to unprecedented customer interest and demand, Matsuura's Metal Additive Manufacturing Service Bureau is providing the production of 3D Metal printed and machined parts.

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Products and shapes previously impossible to manufacture (including: ultra-deep ribs, 3D mesh, hollows, free-form surfaces, and porous structures) can now be produced using the LUMEX Technology.

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Please click on the YouTube icon to watch a video introducing Matsuura's LUMEX Technology.



# MATSUURA'S ADDITIVE MANUFACTURING

Matsuura USA established a state-of-the-art Additive Manufacturing Center to promote the use of metal 3D printed parts as a solution to continuing supply chain challenges and delays.

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The next generation of design engineers will be creating parts that can only be manufactured with Metal 3D Printing.

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Matsuura's LUMEX Avance-25 and Avance-60 machines minimize mold assembly; create superior mold performance; reduce lead time; and performs high-precision machining without EDM.

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Please click on the YouTube icon to learn how one manufacturer invested in the LUMEX to reduce cycle time and cost for complex parts.



# GLOBAL RESOURCES: EXPERIENCED ENGINEERS AND DESIGNERS

The LUMEX team in our Additive Manufacturing Center, along with our collaboration with the Customer Solutions team and machine designers in Japan and Germany, will help customers quickly realize the benefits of additive manufacturing.

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Our team's insight into the process and the technology, will assist in modification of your traditional designs into suitable 3D Metal Printing.

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Matsuura is committed to advancing the technology with manufacturing companies throughout the US and Canada. With almost two decades of experience, we possess first-hand knowledge of the machine's operation and will deliver the best opportunity for our customers to achieve success in Metal 3D Printing.

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# CONFORMAL COOLING AND POROUS VENTING

With Matsuura, building mold components with conformal cooling and porous venting will provide significant savings to the production of molded plastic components.

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Customers can lower their capital equipment investments in molding machines and reduce mold cavitation and accelerate their Return on Investment (ROI).

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Please click on the YouTube icon to watch Peter Zelinski, Editor-in-Chief, Additive Manufacturing, explain Controlled Porosity.



# SPEED AS A COMPETITIVE ADVANTAGE

Digitization, globalization, and deregulation are transforming all businesses, making it difficult to plan.

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Compete in the market faster and create sustainable profits with accessibility to Matsuura's professional-grade 3D Printing Services.

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Please click on the YouTube icon to learn how the LUMEX Technology produces higher quality mold tools with reduced cycle times.



# UNLOCK THE VALUE OF INDUSTRY 4.0

Adopt Industry 4.0 technologies without a significant investment. Companies that do not have the capital to 3D print products can drive efficiencies into their processes and create resilient and flexible supply chains with Matsuura's expertise and technology.

Please click on the Images below to receive Matsuura LUMEX Brochures.



# CYCLE TIME IMPROVEMENT

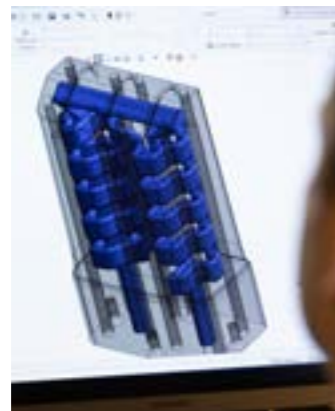
Matsuura's Hybrid technology allows the ability to "grow" a metal component in layers with complex internal features and fine mill those internal features, as the layers are added, to give a perfect surface finish.

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Matsuura customers are seeing the value that comes with implementing additive manufacturing technology. With multiple customer case studies, all showing 25% to 45% reductions in cycle time reductions, the Matsuura LUMEX Technology is transformative in the industry.

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Please click on the Images to read two LUMEX Case Studies.





# WHY MATSUURA?

Matsuura possesses the knowledge, the tools, and the know-how.

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Metal 3D Printing can benefit Tooling, Injection Molding, CNC Machining, and Die Casting processes and operations.

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We will work with you throughout the entire 3D Printing process, including through the design to enable our customer's to fully realize the benefits throughout the life of their products.

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Matsuura maintains manufacturing competences and proficiencies to implement Metal 3D Printing utilizing your processes and materials.

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Please click on the YouTube icon to learn how the LUMEX is both an additive & subtractive machine tool, capable of printing metals and machining them.



# WHY MATSUURA?

Matsuura provides online automated quoting, and valuable design-for-manufacturability analysis.

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Matsuura guarantees the manufacturing speed and capacity to respond to quick-turn orders during product development, market launch, and production phases.

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At Matsuura, consistency is our strong suit. With our level of quality control, we preserve the process to ensure repeatability and reliability.

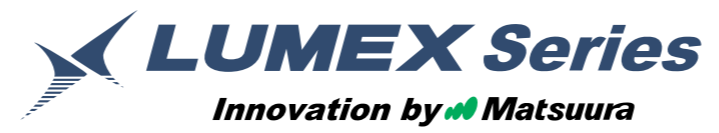
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Matsuura will simplify the process, produce your parts faster and at a competitive cost.

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Please click on the YouTube icon to watch Tom Houle, Director, LUMEX NA, & Lester Jones, VP, Custom Mold & Design explain how the technology revolutionized their moldmaking processes.





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